

IN THE CLAIMS:

Claims 1-20 (Canceled)

21. (New) Imaging device, which is adapted for optically imaging in a first imaging mode an object (0) to be imaged so as to generate at least one real object image (0I) corresponding to said object (0) and

which is adapted for optically projecting in a second imaging mode a display Image (DI) so as to generate at least one real projection image (PI) corresponding to said display image (DI),

wherein an optical objective arrangement (10) is provided, wherein said optical objective arrangement (10) or a part thereof is adapted to work in said first imaging mode as an image recording objective or camera objective or as a part thereof,

wherein said optical objective arrangement (10) or a part thereof is adapted to work in said second imaging mode as an image projecting objective or projector objective or as, a part thereof,

wherein image sensor means (40) is provided for receiving and/or recording said real object image (0I) in said first imaging mode, wherein illumination unit (50) is provided for optically projecting together with said optical objective arrangement (10) said display image (DI) in said second imaging mode in order to obtain said projection image (PI), and

wherein a common polarization selective beam splitter device (20) is provided in the optical paths and located between said optical objective arrangement (10) and said image sensor means (40) on the one hand and between said optical objective arrangement (10) and said illumination unit (50) on the other hand in order to couple light for said real object image (0I) from said optical objective arrangement (10) into said image sensor means (40) in said first

imaging mode and in order to couple light for said display image (DI) from said illumination unit (50) into said optical objective arrangement (10) in said second imaging mode.

22. (New) Imaging device according to claim 21, which is adapted for externally projecting said display image (DI) so as to obtain an external real projection image (PI).

23. (New) Imaging device according to claim 21, which is adapted for generating said object image (OI) in an analogue or digital manner.

24. (New) Imaging device according to claims 21, wherein said image sensor means comprises at least one charge coupled device.

25. (New) Imaging device according to claim 21, wherein storage means (80) is provided for storing image information (DII, OII) of said real object image (OI), said display image (DI) or derivatives thereof.

26. (New) Imaging device according to claim 21, wherein an evaluation/control unit (70) is provided for controlling said first and second imaging modes.

27. (New) Imaging device according to claim 26, wherein said evaluation/control unit (70) is adapted to extract, in particular from said image sensor means (40), to evaluate and/or to store on said storage means (80) image information (OII) corresponding to said real object image (OI).

28. (New) Imaging device according to claim 26, wherein said evaluation/control unit 70 is adapted to control the formation of said projection image (PI), in particular based on image information (DII), corresponding to said display image (DI) to be projected, in particular stored and read from said storage means (80) or in particular externally supplied.

29. (New) Imaging device according to claim 21, wherein said illumination unit (50) is adapted to be controlled by said evaluation control unit (70) and/or by said storage means (80).

30. (New) Imaging device according to claim 21, wherein said illumination unit (50) comprises a light source device appropriate for projection purposes, in particular a high pressure gas discharge lamp arrangement, a LED arrangement or the like.

31. (New) Imaging device according to claim 21, wherein said illumination unit (50) comprises a light valve device (30), in particular a micro-display, a LCD-device, a liquid-crystal-on-silicon (LCoS) device, and/or a digital mirror device (DMD), for generating said display image (DI) or a preform thereof, in particular based on said corresponding image information (DII).

32. (New) Imaging device according to claim 30, wherein said light valve device (30) comprises a single light valve for all fundamental colors or one light valve for each fundamental color.

33. (New) Imaging device according to claim 21, which is adapted to display images currently taken and/or previously recorded to a spectator by displaying in a viewfinder mode respective images by means of provided viewfinder optics (60).
34. (New) Imaging device according to claim 33, wherein said viewfinder optics (60) comprises a viewfinder screen (61) for generating a real image.
35. (New) Imaging device according to claim 33, wherein said viewfinder optics (60) comprises a viewfinder eyepiece (62) for generating a virtual image.
36. (New) Imaging device according to claim 21, which is adapted to process a plurality of images, in particular sequences thereof or movies.
37. (New) Imaging device according to claim 21, which is a camcorder device having projector capabilities.